

MTHFR

Patient:	Joe Doe		
Accession#:	DE198327	DOB:	04/04/1963
Collection Date:	01/20/2017	Gender:	Male
Ordered By:	Dr. MTL	Received Date:	01/23/2017
Specimen Type:	Buccal Swab	Report Generated:	01/26/2017

Gene (SNP)	Genotype	Result
MTHFR (C677T)	CC	No mutation detected
MTHFR (A1298C)	AC	Heterozygous mutation detected

Explanation of Results

This individual does not have a MTHFR 677 C>T mutation but has one copy of the MTHFR 1298 A>C mutation. In the general population, 20.8% of individuals are likely to have this configuration. Based on this genotype, the MTHFR enzymatic activity may be decreased by as much as 20% below normal.

Learn more about the MTHFR Gene

MTHFR.IDLife.com



Test Details

Gene	Alleles Tested	Reference Range
MTHFR	rs1801133 C>T (677C>T), rs1801131 A>C (1298A>C)	677CC, 1298AA

Sources:

Circulation. 2005; 111(19): e289-83
 J Mol Med (Berl). 2001; 79(9): 522-528

Methodology and Limitations:

Testing for genetic variation/mutation on listed genes was performed using PCR with allele-specific probes and/or the amplification refractory mutation system (ARMS). Test results do not rule out the possibility that this individual could be a carrier of other mutations/variants not detected by this gene mutation/variation panel. Rare mutations surrounding these alleles may also affect our detection of genetic variations. Other non-genetic and genetic factors that are not tested by this assay can affect the management and sensitivity of drugs. Thus, the interpretation is given as a probability. Therefore, this genetic information shall be interpreted in conjunction with other clinical findings and familial history for the administration of specific drug.

FDA Disclaimer:

This test was developed and its performance characteristics determined by Molecular Testing Labs. It has not been approved by the US Federal and Drug Administration (FDA). The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. The laboratory is regulated under the Clinical Laboratory Improvement Act of 1988 as qualified to perform high complexity clinical testing.

Results reviewed by: Dr. Charles Sailey

